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PATENT

### ABSTRACT

This invention provides polypeptides of *Helicobacter pylori* cytotoxin associated immunodominant (CAI) antigen. The invention also provides prophylactic and therapeutic vaccines comprising polypeptides of *Helicobacter pylori* CAI antigen, and methods for their preparation. The invention also provides methods of treatment of *Helicobacter pylori* infection using these vaccines.

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